

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED

(See other in-
structions on
reverse side)

BLM Roswell District
Modified Form No.
ND60-3160-3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other _____

2. NAME OF OPERATOR BHP Petroleum (Americas) Inc. 3a. Area Code & Phone No. 713/780-5000

3. ADDRESS OF OPERATOR 5847 San Felipe #3600, Houston, Texas 77057

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1128'FNL & 1442'FEL

At top prod. interval reported below

At total depth

9a. API Well No. 14. PERMIT NO. DATE ISSUED 9/11/92

15. DATE SPUDDED 10/9/92 16. DATE T.D. REACHED 10/12/92 17. DATE COMPL. (Ready to prod.) 11/19/92

18. ELEVATIONS (OF RKB, RT, GE, ETC.)* DF5423', KB5424', GR5409'

20. TOTAL DEPTH, MD & TVD 1650' 21. PLUG BACK T.D., MD & TVD 1531'

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP & BOTTOM, NAME (MD AND TVD)*
1402'-1432' Pictured Cliffs

26. TYPE ELECTRIC AND OTHER LOGS RUN FDC, CNL, DIL & Coal logs

28. TYPE OF COMPLETION OIL CON. DIV DIST. 3

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FILLED
7"	20#	144'	8 3/4"	140 sx of CL"B" w/3% CaCl & 1/4 sx cello seal	
4 1/2"	10.5#	1648'	6 1/2"	230 sx 50/50 poz w/2% gel 1/4# sx cello seal & tailed w/30 sx CL"B"	10% salt low fluid loss

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	CURREN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	1448'	No packer

31. PERFORATION RECORD (Interval, size and number)
1402'-1432' w/a 3 1/8" csg gun loaded 4
JSPF w/90% phasing shooting a .38
hole

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) 1402'-1432'
AMOUNT AND KIND OF MATERIAL USED
20# linear gel 70 quality N/2
foam system & 65,520 # of 12/20
brady sand

33. PRODUCTION
DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
Flowing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/29/92	24	3/8"		0	900	68-load	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	ONE-PHASE API (POB)	
315 psi	325 psi		0	900	68-load		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED [Signature] TITLE Regulatory Affairs Rep. DATE 11/30/92

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland Coal	1145'	1399'	Coal			
Pictured Cliffs	1402'	1432'	Sandstone			

38.

UNITED STATES
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FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

SF 079907

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of Well
☐ Oil ☒ Gas ☐ Other
☐ Well ☒ Well

Name of Operator
BHP Petroleum (Americas) Inc.

Address and Telephone No.
5847 San Felipe #3600, Houston, Texas 77057 713/780-5000

Location of Well (Footage, Sec., T., R., M., or Survey Description)

1128'FNL & 1442'FEL
Section 27, T29N, R12W NMPM

7. If Unit or CA, Agreement Designation

Gallegos Canyon Unit

8. Well Name and No.

GCU 526

9. API Well No.

10. Field and Pool, or Exploratory Area

West Kutz Pictured Cl

11. County or Parish, State

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment
☒ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☐ Other <u>Completion, Spud + CSg</u>
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drill give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached - Well Completion History

RECEIVED
DEC 28 1992
OIL CON. DIV
DIST. 3

RECEIVED
BLM
92 DEC 14 PM 3:55
019 FARMINGTON, N.M.

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title

Regulatory Affairs Rep

Date

11/30/92

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

FARMINGTON RESERVOIR AREA

GCU No. 526 Pictured Cliffs San Juan, New Mexico BHP WI 100% AFE:
#9301113 \$138,000

10/10/92- MIRU Aztec rig No. 184. Spud well at 5:00 pm on 10/09/92. Drld 8 3/4" hole to 147' KB w/one survey. Drld boulders from 25' to 100'. RU & ran 3 jts 7" 20# J-55 8R R-3 csg and landed at 144' KB. RU Western and cmtd w/140 sxs of Class "B" w/3% CaCl and 1/4# sx Cello Seal. Obtained full returns w/6 bbl good cmt circ to surf. Plug dn at 1:30 AM on 10/10/92. WOC. Bit #1 8 3/4" Reed HP51 Ser 16924 in @ 15' out @ 147'. WOB all RPM 100 psi 1000 SPM 104 DC: \$14,850 CC: \$14,850

10/11/92- WOC. NU BOPE and test blind rams to 2000 psi, pipe rams to 2000 psi and Hydrill to 500 psi, (ok). Drl 45' of cmt to 7' csg and 6 1/4" hole to 1400' w/one survey. Bit #2 6 1/4" Varel V517 Ser #55902 in @ 147'. WOB 15 RPM 75 psi 1000 SPM 104. Dc: \$15,950 CC \$30,800

10/12/92- Drl 6 1/4" hole to 1650' w/one survey. Cond & circ short trip 10 stds. POOH RU Schlumberger and ran DIL/FDC?CNL/GR fm 1654' to 144'. TIH cond & POH laying dn DP. RU and ran 39 jts 4 1/2" 10.5# K-55 8R R-3 ST&C csg. Landed @ 1648' KB. RU Western and cmtd w/230 sxs 50/50 Poz w/2% gel, 10% salt, 1/4#/sk Cello Seal and tailed in w/30 sxs Class "B" low fluid loss. Obtained full returns w/10 bbl good cmt circ to surf. Plug dn @ 11:50 pm on 10/11/92, float did not hold. S.I. ND & jet pitsrel rig @ 4:00 AM on 10/12/92. Bit #2 Varel out @ 1650'. WOB 15 RPM 75 psi 1000 SPM 104 MW 8.8 Vis 52 PV/YP 15/10 Gels 5/12 WL 8.8 pH 9 FC/32 2 Solids %5 %sand .25. DC: \$30,200 CC: \$61,000

11/17/92- MIRU JC Well Service. ND head and NU BOPE. PU bit and csg scraper on 2 3/8" tbg and tally in hole. Found PBTD at 1531' KB. Circ hole cl 2% KCL wtr and additives. Press test csg and BOPE to 2500 psi, OK. Swab well dn to 1000' and POH w/tbg. RU Elec Line and ran a GR/CCL log from 1531' to 1200'. POH GIH and perf the Pictured Cliff from 1402' to 1432' w/ a 3 1/8" gun loaded 4 JSPF w/90° phasing shooting a .38 hole. Made 3 runs to perf and had gas to surf on the 2nd run. All shots fired. MI set and fill frac tank w/2% KCL wtr and additives. Heat wtr to 90°. SDFN. WO frac crew. DC: \$6,500 TACC: \$6,500 CC: \$67,500

11/18/92- No press on csg. RU Dowell and frac stimulate the Pictured Cliff dn 4 1/2" csg w/ a 20# linear gel, 70 quality N/2 foam system and 65,520# of 12/20 brady sand @ 30 BPM. Max press 1800 psi avg 1250 psi avg rate 29 BPM. Max sand conc 6 ppg. ISIP 1800 psi 15 min 843 psi. CL induce frac closure. Load to recover is 169 bbl. Left well shut in 4 hrs for gel break. 4 hr SICP 640 psi. Open well to tank on a 3/8" pos choke. Rec 86 bbls load in 18 hrs. Flowing csg press @ 320 psi on a 3/8" choke. Est gas vol is 1088 MCF/D. TBLR 86 BLTR 83 Day 2 DC: \$22,300 TACC: \$28,800 CC: \$89,800

11/19/92- RU and kill well w/30 bbl 10% KCL wtr. TIH w/tbg plus expendable ck on btm. Tag sand at 1412' KB. RU and cl out to PBTD w/ N/2. Pull bk and land tbg w/46 jts 2 3/8" 4.7# 8R J-55 EUE at 1448' KB. Kill well w/30 bbl 10% KCL wtr. ND BOPE and NU well head. Pmp off ck and unload well w/N/2. Left well flowing on a 3/8" pos choke. RD and MO. Flow testing well. TBLR 86 BLTR 83 Day 3 DC: \$10,100 TACC: \$38,900 TAC: \$99,900

11/20/92- 18 hrs flowing rec 68 bbls load wtr w/ an estimated gas rate of 900 MCF/D. FTP 315 psi csg 325 psi. TBLR 154 BLTR 15 Day 4 DC: \$100 TACC: \$39,000 TAC: \$100,000